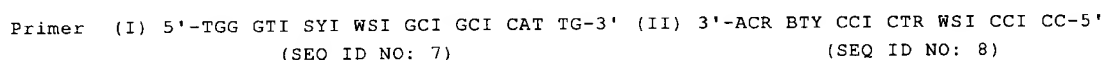


Page 2, amend the third full paragraph (beginning at line 7, shown as line 10 on the page) as follows:

c2 The neurotrypsin of the human (compound of the formula I, SEQ ID NO: 1) has a coding sequence of 2625 nucleotides. The coded peptide of the compound of the formula I (SEQ ID NO: 1) has a length of 875 amino acids and contains a signal peptide of 20 amino acids (SEQ ID NO: 2). The neurotrypsin of the mouse (compound of the formula II, SEQ ID NO: 3) has a length of 761 amino acids and contains a signal peptide of 21 amino acids (SEQ ID NO: 4). The reason for the greater length of the neurotrypsin of the human consists therein that the human neurotrypsin has 4 SRCR domains, whereas the neurotrypsin of the mouse has only 3 SRCR domains.

Page 3, amend the first full paragraph after the sequences, (shown as lines 2-5 on the page) as follows:

c3 From the 258 amino acid sequence positions included in the comparison there are 233 amino acids that are identical in both compounds (upper sequence: compound of the formula I, SEQ ID NO: 1; lower sequence: compound of the formula II, SEQ ID NO: 3; identical amino acids are indicated by vertical lines).



5'-GGGGGATCCCCICCI(G/C)(A/T)(A/G)TCICC(C/T)T(G/C/T)(G/A)CA-3'.

Page 10, amend the text after first full paragraph (lines 10-13) as follows:

In the reading direction (sense primers; SEQ ID NO: 25):

5'-GGGAAGCTTGGICA(A/G)TGGGGIACI(A/G)TITG(C/T)GA(C/T)-3'

c6 In the counter direction (antisense primers; SEQ ID NO: 26):

5'-GGGCTCGAGCCCCAICCTGTTATGTAAIAGTTG-3'.

Page 12, amend the first full paragraph as follows:

The more than 60 amino acids long proline-rich, basic segment at the amino terminus of the coded sequence of the compounds of the formulas I and II is well suited for the production of antibodies by means of synthesizing peptides and using them for immunization.

c7 We have selected two peptide sequences with a length of 19 and 13 amino acids from the proline-rich, basic segment at the amino terminus of the coded sequence of the compound of the formula II for the generation of antibodies. The peptides had the following sequences:

Peptide 1 (SEQ ID NO: 27): H₂N-SRS PLH RPH PSP PRS QX-CONH₂

Peptide 2 (SEQ ID NO: 28): H₂N-LPS SRR PPR TPR F-COOH
